

## P3-Aquaclean - cleaning chemicals

| Products                | Acid soluble Scaling | Acid insoluble Scaling | Fouling  | Biofouling |
|-------------------------|----------------------|------------------------|----------|------------|
| <b>P3-Aquaclean SCR</b> | <b>X</b>             |                        |          |            |
| <b>P3-Aquaclean ACS</b> | <b>X</b>             |                        |          | <b>X</b>   |
| <b>P3-Aquaclean BUF</b> |                      | <b>X</b>               |          |            |
| <b>P3-Aquaclean LST</b> |                      | <b>X</b>               |          |            |
| <b>P3-Aquaclean ENZ</b> |                      |                        | <b>X</b> | <b>X</b>   |
| <b>P3-Aquaclean LAC</b> |                      |                        | <b>X</b> | <b>X</b>   |
| <b>P3-Aquaclean SAL</b> |                      | <b>X</b>               | <b>X</b> |            |

### P3-Aquaclean SCR

P3-Aquaclean SCR is a cleaner for reverse osmosis (RO), nano filtration (NF), ultra filtration (UF) and micro filtration (MF) membranes applied in water treatment. P3-Aquaclean SCR is a blend of inorganic acids. It has been developed to remove calcium carbonate and sulphate scaling.

### P3-Aquaclean ACS

P3-Aquaclean ACS is a cleaner for reverse osmosis (RO), nano filtration (NF), ultra filtration (UF) and micro filtration (MF) membranes applied in water treatment. P3-Aquaclean ACS is a blend of organic acids and anionic surfactants. It has been developed to remove scaling and organic colloidal fouling. P3-Aquaclean ACS is able to decrease the difference pressures in spiral wound membrane systems, which very often is a strong limitation factor in processing of plants.

### P3-Aquaclean LAC

P3-Aquaclean LAC is an alkaline liquid blend of dispersants, inorganic and organic builders with anionic and nonionic surfactants. It has been developed for cleaning of reverse osmosis (RO), nano filtration (NF), ultra filtration (UF) and micro filtration (MF) membranes applied in water treatment. P3-Aquaclean LAC is a special alkaline cleaning formulation for removing organic residues and biofouling. P3-Aquaclean LAC should always be used as recommended by the membrane manufacturer in respect of temperature and pH. Compatibility with all membranes must not be assumed.

### P3-Aquaclean SAL

P3-Aquaclean SAL is an alkaline liquid blend of dispersants, inorganic and organic builders with anionic surfactants. It has been developed for cleaning of reverse osmosis (RO), nano filtration (NF), ultra filtration (UF) and micro filtration (MF) membranes applied in water treatment. P3-Aquaclean SAL is a special alkaline cleaning formulation for removing organic residues and biofouling.

### P3-Aquaclean BUF

P3-Aquaclean BUF is a cleaner for reverse osmosis (RO), nano filtration (NF), ultra filtration (UF) and micro filtration (MF) membranes applied in water treatment. P3-Aquaclean BUF is a blend of complexing and sequestering agents. It has been developed to assist in the cleaning of acidic insoluble sulphates of calcium, barium and strontium. P3-Aquaclean BUF is effective in removing calcium carbonate and calcium phosphate, though P3-Aquaclean ACS or P3-Aquaclean SCR are preferred for these scalents.

### P3-Aquaclean LST

P3-Aquaclean LST has been developed for cleaning of reverse osmosis (RO), nano filtration (NF), ultra filtration (UF) and micro filtration (MF) membranes applied in water treatment. P3-Aquaclean LST is a blend of anionic and nonionic surfactants, being highly effective against colloidal and other organic matter. When used in conjunction with microbicides, it is effective against biofilm. P3-Aquaclean LST should always be used as recommended by the membrane manufacturer. It should never be used on RO or NF plants under acidic conditions but can be mixed in use solutions with the neutral and alkaline P3-Aquaclean products.

### P3-Aquaclean ENZ

P3-Aquaclean ENZ has been developed for cleaning of reverse osmosis (RO), nano filtration (NF), ultra filtration (UF) and micro filtration (MF) membranes applied in water treatment. P3-Aquaclean ENZ is a blend of anionic surfactants and different enzymes, being highly effective against colloidal and other organic matter. P3-Aquaclean ENZ should always be used as recommended by the membrane manufacturer. It can be mixed in use solutions with the neutral and alkaline P3-Aquaclean products.

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